

Steps: (1) Divide (2) Multiply (3) Subtract (4) Bring down the next number (5) Repeat if needed

(1)

$$8 \overline{)62927}$$

(2)

$$2 \overline{)49507}$$

(3)

$$2 \overline{)53428}$$

(4)

$$8 \overline{)29365}$$

(5)

$$4 \overline{)99794}$$

(6)

$$2 \overline{)62443}$$

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Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

<p>(1)</p> $ \begin{array}{r} 7865 \text{ R}7 \\ 8 \overline{) 62927} \\ \underline{- 56} \qquad (7 \times 8) \\ 69 \\ \underline{- 64} \qquad (8 \times 8) \\ 52 \\ \underline{- 48} \qquad (6 \times 8) \\ 47 \\ \underline{- 40} \qquad (5 \times 8) \\ \text{Remainder --> } 7 \end{array} $	<p>(2)</p> $ \begin{array}{r} 24753 \text{ R}1 \\ 2 \overline{) 49507} \\ \underline{- 4} \qquad (2 \times 2) \\ 09 \\ \underline{- 8} \qquad (4 \times 2) \\ 15 \\ \underline{- 14} \qquad (7 \times 2) \\ 10 \\ \underline{- 10} \qquad (5 \times 2) \\ 07 \\ \underline{- 6} \qquad (3 \times 2) \\ \text{Remainder --> } 1 \end{array} $	<p>(3)</p> $ \begin{array}{r} 26714 \text{ R}0 \\ 2 \overline{) 53428} \\ \underline{- 4} \qquad (2 \times 2) \\ 13 \\ \underline{- 12} \qquad (6 \times 2) \\ 14 \\ \underline{- 14} \qquad (7 \times 2) \\ 02 \\ \underline{- 2} \qquad (1 \times 2) \\ 08 \\ \underline{- 8} \qquad (4 \times 2) \\ \text{Remainder --> } 0 \end{array} $
<p>(4)</p> $ \begin{array}{r} 3670 \text{ R}5 \\ 8 \overline{) 29365} \\ \underline{- 24} \qquad (3 \times 8) \\ 53 \\ \underline{- 48} \qquad (6 \times 8) \\ 56 \\ \underline{- 56} \qquad (7 \times 8) \\ 05 \\ \underline{- 0} \qquad (0 \times 8) \\ \text{Remainder --> } 5 \end{array} $	<p>(5)</p> $ \begin{array}{r} 24948 \text{ R}2 \\ 4 \overline{) 99794} \\ \underline{- 8} \qquad (2 \times 4) \\ 19 \\ \underline{- 16} \qquad (4 \times 4) \\ 37 \\ \underline{- 36} \qquad (9 \times 4) \\ 19 \\ \underline{- 16} \qquad (4 \times 4) \\ 34 \\ \underline{- 32} \qquad (8 \times 4) \\ \text{Remainder --> } 2 \end{array} $	<p>(6)</p> $ \begin{array}{r} 31221 \text{ R}1 \\ 2 \overline{) 62443} \\ \underline{- 6} \qquad (3 \times 2) \\ 02 \\ \underline{- 2} \qquad (1 \times 2) \\ 04 \\ \underline{- 4} \qquad (2 \times 2) \\ 04 \\ \underline{- 4} \qquad (2 \times 2) \\ 03 \\ \underline{- 2} \qquad (1 \times 2) \\ \text{Remainder --> } 1 \end{array} $